Clarke®

air

SABRE SAW

MODEL NO: CAT118

PART NO: 3110874

OPERATION & MAINTENANCE INSTRUCTIONS

CE

LS0410

INTRODUCTION

Thank you for purchasing this CLARKE product.

Before attempting to use this product, please read this manual thoroughly and follow the instructions carefully. In doing so you will ensure the safety of yourself and that of others around you, and you can look forward to your purchase giving you long and satisfactory service.

GUARANTEE

This product is guaranteed against faulty manufacture for a period of 12 months from the date of purchase. Please keep your receipt which will be required as proof of purchase.

This guarantee is invalid if the product is found to have been abused or tampered with in any way, or not used for the purpose for which it was intended.

Faulty goods should be returned to their place of purchase, no product can be returned to us without prior permission.

This guarantee does not effect your statutory rights.

ENVIRONMENTAL PROTECTION

Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed of in a manner which is compatible with the environment.

ACCESSORIES

A wide range of accessories are available, including Filter/Regulators, Lubricators, High Pressure Hoses (5 to 100 Metres), etc.

Contact your CLARKE dealer for further information, or CLARKE International Sales Department on 01992 565 333.

GENERAL SAFETY RULES

CAUTION: FAILURE TO FOLLOW THESE PRECAUTIONS COULD RESULT IN PERSONAL INJURY, AND/OR DAMAGE TO PROPERTY.

WORK ENVIRONMENT

1. Keep the work area clean and tidy.
2. Dress appropriately - Do not wear loose clothing or jewellery. Tie long hair out of the way.
3. Keep children and visitors away - Do not let children handle the sabre saw.
4. Do not operate the sabre saw where there are flammable liquids or gases.
5. Keep the air supply hose away from heat, oil and sharp edges.
6. Do not fit the sabre saw to any stand or clamping device that may damage the tool.

USE

1. Stay alert and use common sense - Do not operate the sabre saw when you are tired or under the influence of alcohol, drugs or medication.
2. Always wear eye protectors when using the sabre saw - Eye protectors must provide protection from flying particles from the front and the side.
3. Always wear ear protectors when using the sabre saw.
4. Do not overreach - Keep proper footing and balance at all times.
5. Never use bottled gas as a source of power for the sabre saw.
6. Do not connect the air supply hose with your finger on the trigger of the sabre saw.
7. Do not exceed the maximum pressure for the sabre saw: 90 psi / 6.2 bar.
8. Check hoses for leaks or worn condition before use, and ensure that all connections are secure.
9. Do not use the sabre saw for any other purpose than that described in this book.
10. Do not carry out any alterations or modifications to the sabre saw.

Parts & Service: 020 8988 7400 / E-mail: Parts@clarkeinternational.com or Service@clarkeinternational.com

11. Always disconnect from the air supply when:
    - Performing any maintenance
    - The sabre saw is not in use.
    - The sabre saw will be left unattended.
    - Moving to another work area.
    - Passing the sabre saw to another person.
12. Never use the sabre saw if it is defective or operating abnormally.
13. Avoid damaging the sabre saw for example by applying excessive force of any kind.
14. ALWAYS maintain the tool. Keep it clean for the best and safest performance.
15. Quick change couplings should not be located at the tool. They add weight and could fail due to vibration.
16. DO NOT force or misuse the tool. It will do a better and safer job at the rate for which it was designed.
17. Do not remove any labels. Damaged labels should be replaced.
18. This tool vibrates with use. Vibration may be harmful to your hands or arms. Stop using the tool if discomfort, a tingling feeling or pain occurs. Seek medical advice before resuming use.
19. Always use the appropriate blade for the material being cut.
20. Always switch the machine OFF once the task is completed.
21. Always ensure the blade is fully tightened before use.
22. Always allow sufficient clearance beneath the work to ensure the blade does not come into contact with the floor, table etc.
23. Always check for hidden electrical wires or water pipes etc.
24. Do not cut material above the specified thickness.
25. Do not cut through walls or cavities before checking for hidden electrical wires or water pipes etc.
26. Do not touch the blade immediately after use, allow time for it to cool.
27. Do not cut work less than at least twice the pitch of the saw blade. i.e. at least two teeth must be in contact with the work at all times.
28. When cutting wood, ensure all nails have been removed beforehand. Nails will damage the wood saw blade.
29. When cutting metals, always use a cooling agent i.e. cutting/soluble oil.

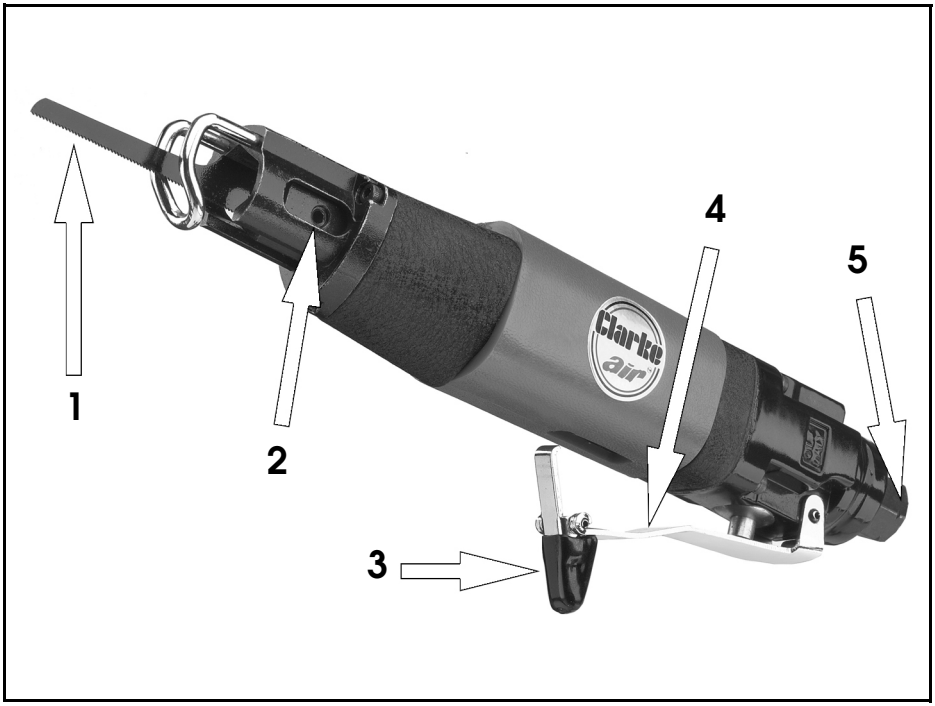
TRANSPORTATION

1. Never carry the sabre saw by the air supply hose.
2. Never carry the sabre saw with your finger on the trigger.

STORAGE

1. When not in use the sabre saw must be disconnected from the air supply and stored in a dry place out of the reach of children (preferably in a locked cabinet).
2. Avoid storing the sabre saw in environments where the temperature is below 0^{O}C.

OVERVIEW



NO	DESCRIPTION	NO	DESCRIPTION
1	Blade	4	Trigger
2	Blade Securing Screw	5	1/4" BSP (Female Air Inlet)
3	Safety Lock		

BEFORE USE

AIR SUPPLY

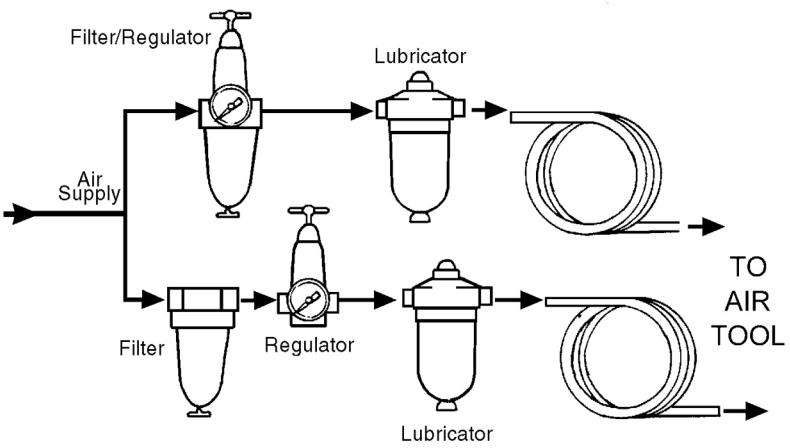
WARNING: COMPRESSED AIR CAN BE DANGEROUS. ENSURE THAT YOU ARE FAMILIAR WITH ALL PRECAUTIONS RELATING TO THE USE OF COMPRESSORS AND COMPRESSED AIR SUPPLY.

- Use only clean, dry, regulated, compressed air as a power source for the sabre saw.
- Air compressors used with the sabre saw must comply with the appropriate European Community safety directives.
- A build up of moisture or oil in the air compressor will accelerate wear and corrosion in the sabre saw.
- Never exceed the maximum operating pressure for the sabre saw.

AIR HOSE

- The air hose must be rated at least 150% of the maximum operating pressure of the tool.

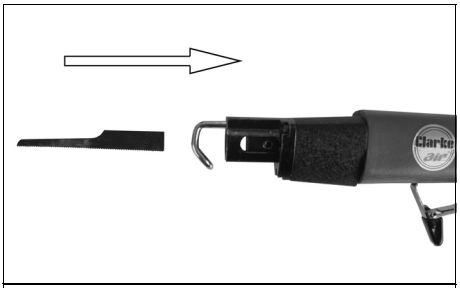
RECOMMENDED AIR SUPPLY CONNECTION



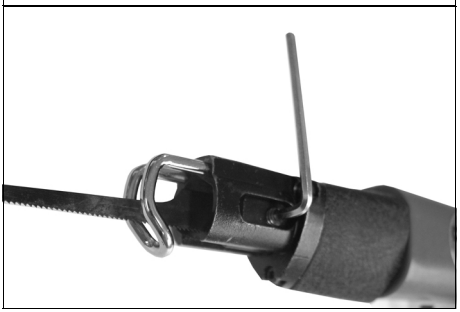
BEFORE USE

FITTING THE BLADE

1. Slide the blade into the saw as shown.



2. Secure the blade by tightening the grub screw shown using the hexagonal key supplied.

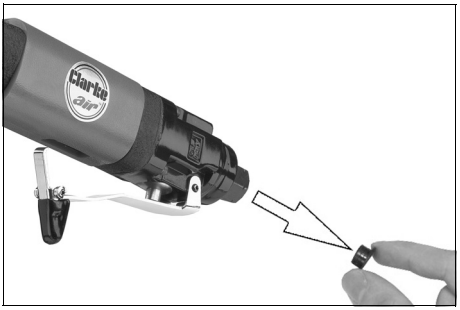


CONNECTING THE SAW TO AN AIR SUPPLY

WARNING: COMPRESSED AIR CAN BE DANGEROUS. ENSURE THAT YOU ARE FAMILIAR WITH ALL PRECAUTIONS RELATING TO THE USE OF COMPRESSORS AND COMPRESSED AIR SUPPLY.

NOTE: Ensure the air supply is turned off.

1. Remove the travel plug from the bottom of the sabre saw as shown.

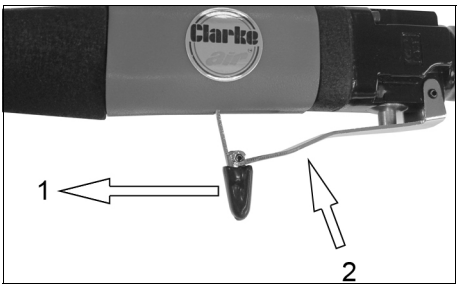


2. Connect a suitable hose to the sabre saw as shown.
    - Use the adaptor supplied if required.
3. Connect the other end of the hose to the compressor.
4. Your sabre saw is now ready for use.

You can fit a whip hose with a quick fit coupling if required (available from your Clarke dealer.)

OPERATION

1. Slide the safety lock forward.
2. Squeeze the trigger.
    - Allow the saw to reach full speed before use.
3. Release the trigger to stop the sabre saw. When the blade has stopped remove it from the workpiece.



WARNING: THE BLADE WILL CONTINUE TO RUN FOR A SHORT PERIOD AFTER THE TRIGGER HAS BEEN RELEASED. WAIT UNTIL IT STOPS BEFORE REMOVING IT FROM THE WORKPIECE

DISCONNECTING THE AIR SUPPLY

Do not disconnect the air supply hose until the compressor has been shut down and the compressed air released.

1. Refer to the compressor instruction book for the procedures to shut down and release the compressed air.
2. Once the pressure has been released, disconnect the air supply hose from the sabre saw.
3. Store the sabre saw safely in its box in a dry, secure environment.

MAINTENANCE

WARNING: MAKE SURE THAT THE SABRE SAW IS DISCONNECTED FROM THE AIR SUPPLY BEFORE STARTING ANY CLEANING, OR MAINTENANCE PROCEDURES.

DAILY

- Drain water from air tank, air line and compressor.
- Pour a few drops of CLARKE air line oil, into the air inlet. This should be carried out regardless of whether or not the inline mini oiler is used.

WEEKLY

- Check the air inlet screen filter and clean if necessary.

CLEANING

- Keep the body of the sabre saw clean and free from debris, grit or gum deposits.

SERVICE AND REPAIR

- All servicing and repair must be carried out by qualified service technicians.

NOTES

- Please note that factors other than the tool may effect its operation and efficiency such as reduced compressor output, excessive drain on the airline, moisture or restrictions in the line, or the use of connectors of improper size or poor condition which will reduce air supply.
- **Clarke air line oil is available from your CLARKE dealer part no. 3050825.

STORAGE

- If the tool is to be stored, or is idle for longer than 24 hours, run a few drops of Clarke air line oil into the air inlet, and run the tool for 5 seconds in order to lubricate the internal parts.
- When not in use, disconnect from air supply, clean tool and store in a safe,dry place.

SPECIFICATIONS

Model Number	CAT118
Air Consumption	6 CFM
Operating Pressure	90 psi (6.2 bar)
Air Inlet Size	1/4" BSP
No Load Speed	5000 strokes/min
Stroke Length	8 mm
Sound Pressure Level (L_{pA} dB)	82.9 dB(A)
Sound Power Level (L_{wA} dB)	93.9 dB(A)
Vibration Levels	3.5 m/s^2 at the main handle K = 0.63 m/s^2
Dimensions (L x W x H)	255 x 41 x 81 mm
Weight	0.95 Kg

Please note that the details and specifications contained herein, are correct at the time of going to print. However CLARKE International reserve the right to change specifications at any time without prior notice. Always consult the machine's data plate

VIBRATION EMMISIONS

Employers are advised to refer to the HSE publication "Guide for Employers".

All hand held power tools vibrate to some extent, and this vibration is transmitted to the operator via the handle, or hand used to steady the tool. Vibration from about 2 to 1500 herz is potentially damaging and is most hazardous in the range from about 5 to 20 herz.

Operators who are regularly exposed to vibration may suffer from Hand Arm Vibration Syndrome (HAVS), which includes 'dead hand', 'dead finger', and 'white finger'. These are painful conditions and are widespread in industries where vibrating tools are used.

The health risk depends upon the vibration level and the length of time of exposure to it……in effect, a daily vibration dose.

Tools are tested using specialised equipment, to approximate the vibration level generated under normal, acceptable operating conditions for the tool in question. For example, a grinder used at 45° on mild steel plate, or a sander on soft wood in a horizontal plane etc.

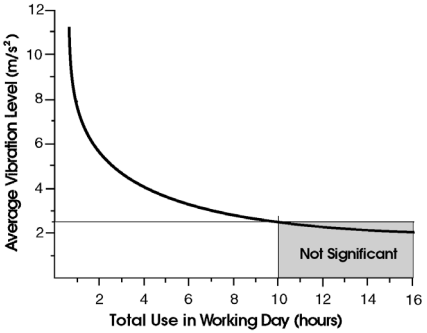
These tests produce a value 'a', expressed in metres per second per second, which represents the average vibration level of all tests taken, in three axes where necessary, and a second figure 'K', which represents the uncertainty factor, i.e. a value in excess of 'a', to which the tool could vibrate under normal conditions. These values appear in the specification panel below.

Model Number	**CAT118**
Description	**Sabre Saw**
Declared vibration emission value in accordance with	EN12096
Measured vibration emission value - *a:*	3.5 m/s^2
Value determined according to	EN28622-1

You will note that a third value is given in the specification - the highest measured reading in a single plane. This is the maximum level of vibration measured during testing in one of the axes, and this should also be taken into account when making a risk assessment.

'a' values in excess of 2.5 m/s^2 are considered hazardous when used for prolonged periods. A tool with a vibration value of 2.8 m/s^2 may be used for up to 8 hours (cumulative) per day, whereas a tool with a value of 11.2 m/s^2 may be used for ½ hour per day only.

The graph on the right shows the vibration value against the maximum time the respective tool may be used, per day.



The uncertainty factor should also be taken into account when assessing a risk. The two figures 'a' and 'K' may be added together and the resultant value used to assess the risk.

It should be noted that if a tool is used under abnormal, or unusual conditions, then the vibration level could possibly increase significantly. Users must always take this into account and make their own risk assessment, using the graph above as a reference.

Some tools with a high vibration value, such as sabre sawes, are generally used for a few seconds at a time, therefore the cumulative time may only be in the order of a few minutes per day. Nevertheless, the cumulative effect, particularly when added to that of other hand held power tools that may be used, must always be taken into account when the total daily dose rate is determined.

DECLARATION OF CONFORMITY

CE

Clarke® INTERNATIONAL

Hemnall Street, Epping, Essex CM16 4LG

DECLARATION OF CONFORMITY

This is an important document and should be retained.

We hereby declare that this product(s) complies with the following directive(s):

2006/42/EC Machinery Directive.

The following standards have been applied to the product(s):

EN 792-12:2000

The technical documentation required to demonstrate that the product(s) meet(s) the requirement(s) of the aforementioned directive(s) has been compiled and is available for inspection by the relevant enforcement authorities.

The CE mark was first applied in: 2008

Product Description:	Sabre Saw
Model number(s):	CAT118
Serial / batch Number:	N/A
Date of Issue:	08/03/2010

Signed:

J.A. Clarke

Director

CAT118 Sabre Saw (rv1)

Page 1 of 1

A SELECTION FROM THE VAST RANGE OF

Clarke®

QUALITY PRODUCTS

AIR COMPRESSORS
From DIY to industrial, Plus air tools, spray guns and accesories.

GENERATORS
Prime duty or emergency standby for business, home and leisure.

POWER WASHERS
Hot and cold, electric and engine driven - we have what you need

WELDERS
Mig, Arc, Tig and Spot.
From DIY to auto/industrial.

METALWORKING
Drills, grinders and saws for DIY and professional use.

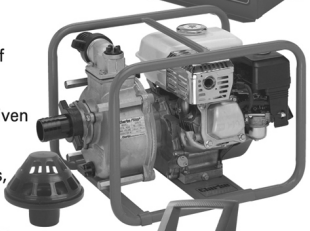
WOODWORKING
Saws, sanders, lathes, mortisers and dust extraction.

HYDRAULICS
Cranes, body repair kits, transmission jacks for all types of workshop use.

WATER PUMPS
Submersible, electric and engine driven for DIY, agriculture and industry.

POWER TOOLS
Angle grinders, cordless drill sets, saws and sanders..

STARTERS/CHARGERS
All sizes for car and commercial use.



PARTS & SERVICE: 0208 988 7400
E-mail: Parts@clarkeinternational.com or Service@clarkeinternational.com

SALES: UK 01992 565333 or Export 00 44 (0)1992 565335

Clarke® INTERNATIONAL Hemnall Street, Epping, Essex CM16 4LG
www.clarkeinternational.com